

Abstract

A liquid crystal display using horizontal electric field and a method of fabricating the liquid crystal display device that are capable of reducing the number of mask processes are provided.

The liquid crystal display of horizontal electric field applying type according to the present invention includes: a thin film transistor array substrate, wherein the thin film transistor array substrate includes an effective display area having a gate line, a common line parallel to the gate line, a data line intersected and isolated with the gate line and the common line with a gate insulating film therebetween to define a pixel area, a thin film transistor formed on each intersection of the gate line and the data line, a passivation film for protecting the thin film transistor, a common electrode formed in the pixel area and connected to the common line and a pixel electrode connected to the thin film transistor and formed to produce horizontal electric field along with the common electrode in the pixel area, and a pad area having a gate pad formed with at least one conductive layer included in the gate line, a data pad formed with at least one conductive layer included in the data line, a common pad formed with at least one conductive layer included in the common line, which are formed on a lower substrate to form the thin film transistor array substrate; a color filter array substrate combined with the thin film transistor array substrate as facing each other; a driving integrated circuit mounted on the substrate in order to directly connect to any one of the gate pad and the data pad; and a package mold

material for encapsulating the pads and the driving integrated circuit.